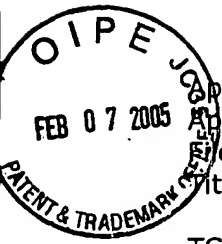


## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Appln. No: 10/790,971  
Applicants: Leon Bryn et al.  
Filed: March 2, 2004  
Title: LOOM AND METHOD OF WEAVING THREE-DIMENSIONAL WOVEN FORMS  
WITH INTEGRAL BIAS FIBERS  
TC/A.U.: 3765  
Examiner: Robert H. Muromoto, Jr.  
Confirmation No.: 2123  
Docket No.: BRM-100US1

**COMMUNICATION**

Box Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is an executed Power of Attorney and Correspondence Address  
Indication Form and a Statement Under 37 CFR 3.73(b). All future correspondence should  
now be directed to the attention of:

Kevin R. Casey  
Stradley Ronon Stevens & Young, LLP  
Great Valley Corporate Center  
30 Valley Stream Parkway  
Malvern, PA 19355-1481  
Phone: 610-640-5813  
Fax: 610-640-1965

Respectfully submitted,

Kevin R. Casey, Reg. No. 32,117  
Attorney for Applicants

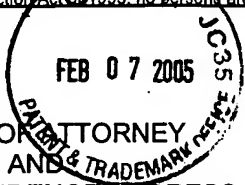
KRC:lk

Dated: February 3, 2005  
Stradley Ronon Stevens & Young, LLP  
Great Valley Corporate Center  
30 Valley Stream Parkway  
Malvern, PA 19355-1481  
(610) 640-5813

The Commissioner for Patents is hereby  
authorized to charge payment to Deposit  
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with this communication.

I hereby certify that this correspondence is being deposited  
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Stop Issue Fee, Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450 on:

February 3, 2005  
Jinda M. Keller

 <p>POWER OF ATTORNEY AND TRADEMARK CORRESPONDENCE ADDRESS INDICATION FORM</p>	Application Number	10/790,971
	Filing Date	03/02/2004
	First Named Inventor	Leon Bryn
	Title	LOOM AND METHOD OF WEAVING THREE-DIMENSIONAL WOVEN FORMS WITH INTEGRAL BIAS FIBERS
	Art Unit	3765
	Examiner Name	Robert H. Muromoto, Jr.
Attorney Docket Number		BRM-100US1

I hereby appoint:

☒ Practitioners associated with the Customer Number:

50787

OR

☒ Practitioner(s) named below:

Name	Registration Number
Kevin R. Casey	32,117
Kevin W. Goldstein	34,608

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Stradley Ronon Stevens & Young, LLP				
Address	Great Valley Corporate Center				
Address	30 Valley Stream Parkway				
City	Malvern				
Country	U.S.A.	State	PA	Zip	19355-1481
Telephone	610-640-5813	Fax	610-640-1965		

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

## SIGNATURE of Applicant or Assignee of Record

Signature	<i>Raymond Harries</i>	Date	12/6/04
Name	Raymond Harries	Telephone	610-845-2211
Title and Company	President, Bally Ribbon Mills		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Leon Bryn et al.Application No./Patent No.: 10/790,971Filed/Issue Date: March 2, 2004Entitled: LOOM AND METHOD OF WEAVING THREE-DIMENSIONAL WOVEN FORMS WITH INTEGRAL BIAS FIBERSBally Ribbon Mills, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; OR
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015132, Frame 0044, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Raymond Harries

Signature

Raymond Harries

Typed or Printed Name

President

Title

12/6/04

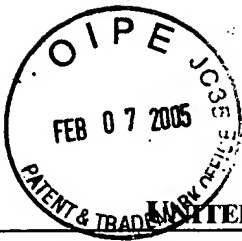
Date

610-845-2211

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Handwritten: *BRM-10045*

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

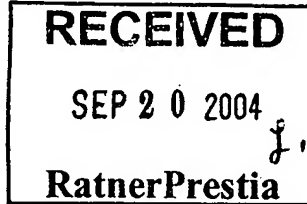
SEPTEMBER 16, 2004

PTAS



\*102707488A\*

RATNERPRESTIA  
KEVIN R. CASEY  
ONE WESTLAKES BERWYN, SUITE 301  
P.O. BOX 980  
VALLEY FORGE, PA 19482-0980



UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/26/2004

REEL/FRAME: 015132/0044

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BRYN, LEON

DOC DATE: 03/22/2004

ASSIGNOR:

NAYFEH, SAMIR A.

DOC DATE: 03/22/2004

ASSIGNOR:

LOWERY, JR., WILLIAM L.

DOC DATE: 03/22/2004

ASSIGNOR:

ISLAM, M. AMIRUL

DOC DATE: 03/22/2004

ASSIGNOR:

HARRIES III, H. D.

DOC DATE: 03/22/2004

015132/0044 PAGE 2

ASSIGNEE:

MILLS, BALLY RIBBON  
23 NORTH 7TH STREET  
BALLY, PENNSYLVANIA 19503

SERIAL NUMBER: 09956641

FILING DATE: 09/20/2001

PATENT NUMBER: 6742547

ISSUE DATE: 06/01/2004

TITLE: THREE-DIMENSIONAL WOVEN FORMS WITH INTEGRAL BIAS FIBERS AND BIAS  
WEAVING LOOM

SEDLEY PYNE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-30-2004

Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027 (Exp. 6/30/2005)



U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

102707488

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Leon Bryn  
Samir A. Nayfeh  
William L. Lowery, Jr.  
M. Amirul Islam  
H. D. Harries III



## 2. Name and address of receiving party(ies):

Name: Bally Ribbon Mills

Internal Address:

Street Address: 23 North 7<sup>th</sup> Street

City: Bally

State: PA

Zip: 19503

Country: U.S.A.

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NOAdditional name(s) & address(es) attached? ☐ YES ☒ NO

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Correction of Assignment Recordation  
(previously recorded at Reel \_\_\_\_\_, Frame \_\_\_\_\_)  
☐ Other

Execution Date: March 22, 2004

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application Number(s) 09/956,641

B. Patent Number(s) \_\_\_\_\_

Additional number(s) attached? ☐ YES ☒ NO

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kevin R. Casey  
Internal Address: RatnerPrestia

☒ Street Address: Suite 301  
One Westlakes  
Berwyn, P.O. Box 980  
City: Valley Forge State: PA  
ZIP: 19482-0980

☐ Street Address: Nemours Building  
1007 Orange Street  
Suite 1100, P.O. Box 1596  
City: Wilmington State: DE  
ZIP: 19899

6. Total number of applications and patents involved: one (1)

7. Total fee (37 CFR 3.41): \$ 40

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 18-0350  
(Attach duplicate copy of this page if paying by deposit account.)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kevin R. Casey 32,117

Name of Person Signing

Registration No.

Signature

Date

Total Number of Pages including cover sheet, attachments and documents: 5

3/29/2004 DBYRNE 00000057 09956641

Mail documents to be recorded with required cover sheet information to:

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Director of the US Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

<b>ASSIGNMENT - Patent Application</b>		Docket Number: <b>BRM-100US</b>
Whereas, the Assignor, comprising the following named inventors:		
<b>ASSIGNOR(s)/ INVENTOR(s)</b>	1. <b>Leon Bryn</b>	2. <b>Samir A. Nayfeh</b>
	3. <b>William L. Lowery, Jr.</b>	4. <b>M. Amirul Islam</b>
	5. <b>H. D. Harries III</b>	6.
made an invention entitled: <b><u>THREE-DIMENSIONAL WOVEN FORMS WITH INTEGRAL BIAS FIBERS AND BIAS WEAVING LOOM</u></b>		
for which an application for Letters Patent of the United States: <i>(Select one of the following):</i> <input type="checkbox"/> is executed concurrently herewith <input checked="" type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>September 20, 2001</u> , as U.S. Patent Application Serial No.: <u>09/956,641</u>		
<b>ASSIGNEE</b> (Full Name and Address)	<b>Bally Ribbon Mills</b> <b>23 North 7<sup>th</sup> Street</b> <b>Bally, PA 19503</b>	
is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,  Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.  Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.  Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.  If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.		

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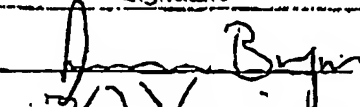

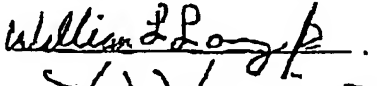
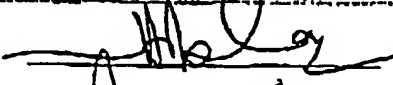
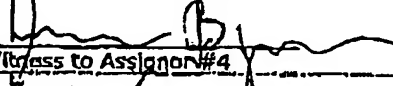
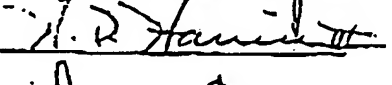

## ASSIGNMENT - Patent Application

Docket Number: BRM-100US

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Typed or Printed Name	Signature	Date
1. Leon Bryn		<u>3/22/04</u>
	<u>H. D. Harries III</u>	<u>3/22/04</u>
	* Witness to Assignor #1	
2. Samir A. Nayfeh		<u>3/22/04</u>
	* Witness to Assignor #2	
3. William L. Lowery, Jr.		<u>3/22/04</u>
	<u>H. D. Harries III</u>	<u>3/22/04</u>
	* Witness to Assignor #3	
4. M. Amirul Islam		<u>3/22/04</u>
		<u>3/22/04</u>
	* Witness to Assignor #4	
5. H. D. Harries III		<u>3/22/04</u>
		<u>3/22/04</u>
	* Witness to Assignor #5	
6.		
	* Witness to Assignor #6	

Application for United States Letters Patent:

Serial No.: 09/956,641

Filed: September 20, 2001

Attorney Docket Number: BRM-100US

Total Number of Assignment Pages 2

\* Witness signature recommended, mandatory for some countries